

IN THE CLAIMS

Claims 1-18 (Canceled)

19. (Previously Presented) An integrated process for painting a substrate that comprises at least one metal parts and at least one plastic parts,

- a) wherein the substrate comprises at least one of i) an automobile body ii) an automobile cabin, iii) a commercial vehicle body, and/or iv) a commercial vehicle cabin, and optionally further comprise at least one of i) an automobile body replacement parts, ii) an automobile cabin replacement parts, iii) an automobile body add-on parts, iv) an automobile cabin add-on parts, v) a commercial vehicle body replacement parts, vi) a commercial vehicle cabin replacement parts, vii) commercial vehicle body add-on parts, and/or viii) a commercial vehicle cabin add-on parts;
- b) wherein the at least one metal parts of the substrate are coated with an electrocoat material to form an electrocoat film and the electrocoat film is cured thermally to give a corrosion-inhibiting electrocoat;
- c) wherein the electrocoated at least one metal parts of the substrate are integrated with the at least one plastic parts of the substrate to form an integrated metal-plastic substrate,
- d) wherein one of
 - i) the at least one plastic parts have ~~has~~ no primer on their ~~its~~ surface, and the electrocoat film on the at least one metal part was thermally cured at a temperature of less than 100°C,
 - ii) the at least one plastic parts, on their ~~its~~ surface, comprises a primer comprising an electrically conductive aqueous primer coating that is cured thermally at a temperature $\leq 100^{\circ}\text{C}$, and
 - iii) the at least one plastic parts, on their ~~its~~ surface, comprises a partially dried but not fully cured electrically conductive aqueous primer film;

comprising

- 1) coating the integrated metal-plastic substrate with an aqueous primer, wherein coating comprises one of
 - a) coating uniformly, when the at least one plastic parts have~~has~~ no primer, the integrated metal-plastic substrate with an electrically conductive aqueous primer and curing the resulting electrically conductive aqueous primer film at a temperature $\leq 100^{\circ}\text{C}$ to give a two-coat primer system comprising electrocoat and electrically conductive ~~aqueous~~-primer coat on the at least one metal parts and a single-coat primer system comprising electrically conductive ~~aqueous~~-primer coat on the at least one plastic parts;
 - b) coating uniformly, when the at least one plastic parts have~~has~~ the primer comprising an electrically conductive aqueous primer coating, the integrated metal-plastic substrate with ~~a-bright~~an aqueous primer having a color that is matched to a color of an aqueous basecoat material and curing the resulting bright aqueous primer film at a temperature $\leq 100^{\circ}\text{C}$ to give a two-coat primer system comprising electrically conductive ~~aqueous~~-primer coat and ~~bright-aqueous~~a primer coat having a color that is matched to a color of a basecoat on the at least one plastic parts and a two-coat primer system comprising electrocoat and ~~bright-aqueous~~a primer coat having a color that is matched to a color of a basecoat on the at least one metal parts;
- and
- c) coating uniformly, when the at least one plastic parts have~~has~~ the partially dried electrically conductive aqueous primer film, the integrated metal-plastic substrate, wet-on-wet in terms of the at least one plastic parts, with ~~a-bright~~an aqueous primer having a color that is matched to a color of an aqueous basecoat material, and jointly curing the electrically conductive aqueous primer film and the ~~bright-aqueous~~primer film having a color that is matched to a color of a basecoat at a temperature $\leq 100^{\circ}\text{C}$ to give a two-coat primer system comprising electrically conductive ~~aqueous~~-primer coat and ~~bright-aqueous~~a primer coat having a color that is matched to a

color of a basecoat on the at least one plastic parts and a two-coat primer system comprising electrocoat and ~~bright-aqueous~~ primer coat having a color that is matched to a color of a basecoat on the at least one metal parts;

- 2) applying ~~an~~the aqueous basecoat material uniformly to the primer systems and partially drying without curing the resulting aqueous basecoat film, wherein the basecoat material is one of i) a color basecoat material, ii) an effect basecoat material, and iii) a color and effect basecoat material ;
 - 3) applying wet-on-wet at least one two-component clearcoat material to the partially dried aqueous basecoat film to give at least one clearcoat film; and
 - 4) jointly curing at temperatures $\leq 100^{\circ}\text{C}$, by one of i) thermally and ii) thermally and with actinic radiation, the partially dried aqueous basecoat film and the at least one clearcoat film to give an integrated multicoat paint system, wherein the multicoat paint system is one of i) a multicoat color paint system, ii) a multicoat effect paint system, and iii) a multicoat color and effect paint system.
20. (Currently Amended) The process of claim 19, wherein the integrated metal-plastic substrate is formed by the process comprising precisely positioning the at least one plastic parts of the substrate on an assembly stage, and placing the at least one electrocoated metal parts of the substrate on the assembly stage .
21. (Currently Amended) The process of claim 19 further comprising in the coating step, where the at least one plastic parts have~~has~~ no primer, one of:
- a) applying an ~~bright-aqueous~~ primer having a color that is matched to a color of an aqueous basecoat material uniformly to the cured electrically conductive ~~aqueous~~ primer coat and curing the resulting ~~bright-aqueous~~ primer coat thermally at a temperature $\leq 100^{\circ}\text{C}$
 - and
 - b) not curing the electrically conductive aqueous primer, but instead partially drying the electrically conductive aqueous primer film and applying an ~~bright~~ aqueous primer having a color that is matched to a color of an aqueous basecoat material

wet-on-wet to the partially dried electrically conductive aqueous primer film, and then jointly curing at a temperature $\leq 100^{\circ}\text{C}$ the electrically conductive aqueous primer film and the resulting bright aqueous primer film having a color that is matched to a color of an aqueous basecoat material,

so as to result in a three-coat primer system comprising electrocoat, electrically conductive ~~aqueous~~-primer coat, and ~~bright aqueous~~-primer coat having a color that is matched to a color of a basecoat on the at least one metal parts and a two-coat primer system comprising electrically conductive ~~aqueous~~-primer coat and ~~bright aqueous~~-primer coat having a color that is matched to a color of a basecoat on the at least one plastic parts.

22. (Previously Presented) The process of claim 19, wherein the electrocoat material comprises a lead-free cathodically depositable electrocoat material comprising at least one epoxy-amine adduct.
23. (Currently Amended) The process of claim 19, wherein the electrically conductive aqueous primer of d) ii), d) iii), and 1) a) each comprises a component I comprising at least one aqueous polyurethane dispersion and at least one electrically conductive pigment, and at least one component II comprising at least one polyisocyanate.
24. (Previously Presented) The process of claim 23, wherein the electrically conductive pigment comprises carbon black.
25. (Currently Amended) The process of claim 19, wherein the ~~bright~~ aqueous primer having a color that is matched to a color of an aqueous basecoat material of 1) b) and 1) c) each comprises a component I comprising at least one hydroxyl-containing binder in dispersion or solution in water and at least one bright pigment, and a component II comprises at least one polyisocyanate.

26. (Previously Presented) The process of claim 25, wherein the hydroxyl-containing binder comprises at least one of a polyester, a polyacrylate, a polyurethane, an acrylated polyester, and an acrylated polyurethane.
27. (Previously Presented) The process of claim 19, wherein the aqueous basecoat material comprises at least one hydroxyl-containing binder in dispersion or solution in water and at least one of a color pigment, an effect pigment, and a color and effect pigment.
28. (Previously Presented) The process of claim 27, wherein the aqueous basecoat material comprises a hydroxyl-containing binder comprising at least one of a polyurethane and an acrylated polyurethane.
29. (Previously Presented) The process of claim 27, wherein the aqueous basecoat material further comprises at least one of a hydroxyl-containing polyacrylate, a hydroxyl-containing polyester, and a hydroxyl-containing acrylated polyester.
30. (Previously Presented) The process of claim 19, wherein the aqueous basecoat material comprises at least one crosslinking agent.
31. (Previously Presented) The process of claim 19, wherein the two-component clearcoat material comprises a component I having at least one hydroxyl-containing binder and a component II having at least one polyisocyanate.
32. (Currently Amended) The process of claim 19, wherein the two-component clearcoat material is curable ~~i) thermally and ii) both thermally and with actinic radiation.~~
33. (Previously Presented) The process of claim 19, wherein the cured two-component clearcoat material is overcoated with a scratch-resistant clearcoat.

34. (Currently Amended) The substrate formed by the process of claim 19 in part 1) b) or 1) c).

35. (Currently Amended) An integrated multicoat paint system ~~for~~on an integrated metal-plastic substrate that comprises at least one metal parts and at least one plastic parts,

- a) wherein the multicoat paint system is one of i) a multicoat color paint system, ii) a multicoat effect paint system, and iii) a multicoat color and effect paint system;
- b) wherein the substrate comprises at least one of i) an automobile body ii) an automobile cabin, iii) a commercial vehicle body, and/or iv) a commercial vehicle cabin, and optionally further comprise at least one of i) an automobile body replacement parts, ii) an automobile cabin replacement parts, iii) an automobile body add-on parts, iv) an automobile cabin add-on parts, v) a commercial vehicle body replacement parts, vi) a commercial vehicle cabin replacement parts, vii) a commercial vehicle body add-on parts, and/or viii) a commercial vehicle cabin add-on parts;

comprising coats lying atop one another in sequence:

- 1) a primer system comprising:
 - a. on the at least one metal parts, a metal primer system comprising a cathodically or anodically deposited and thermally cured electrocoat and at least one of an electrically conductive primer coat and a ~~bright aqueous~~ primer coat having a color that is matched to a color of a basecoat on the cured electrocoat, wherein the entire surface of the at least one metal part is coated with the metal primer system, and
 - b. on the at least one plastic parts, a plastic primer system comprising ~~one of i) an electrically conductive aqueous primer coat, and ii) an electrically~~ conductive ~~aqueous~~ primer coat on the plastic part and a bright aqueous primer coat having a color that is matched to a color of a basecoat on the electrically conductive primer coat, wherein the entire surface of the at least one plastic part is coated with the plastic primer system,

~~with the proviso that the integrated metal-plastic substrate is uniformly covered over its entire surface by the primer system;~~

and

- 2) on the primer system, at the basecoat of 1) a) or 1) b), wherein the basecoat is one of i) a color basecoat, ii) an effect basecoat, and iii) a color and effect basecoat, and
- 4) on the basecoat, at least one clearcoat.

- 36. (Previously Presented) The integrated multicoat paint system of claim 35, wherein the clearcoat comprises a scratch-resistant clearcoat.
- 37. (New) The process of claim 19, wherein the electrocoat of d) 1) was cured at a temperature of 50-90°C.